

**AMENDMENT TO H.R. 2586, AS REPORTED**  
**OFFERED BY MR. HALL OF OHIO**

At the end of title II (page 43, after line 9), insert  
the following new subtitle:

**Subtitle E—Air Force Science and  
Technology for the 21st Century**

1 **SEC. 251. SHORT TITLE.**

2       This subtitle may be cited as the “Air Force Science  
3 and Technology for the 21st Century Act”.

4 **SEC. 252. SCIENCE AND TECHNOLOGY INVESTMENT AND**  
5 **DEVELOPMENT PLANNING.**

6       (a) SENSE OF CONGRESS.—It is the sense of Con-  
7 gress that the Secretary of the Air Force should carry out  
8 each of the following:

9           (1) Continue and improve efforts to ensure  
10 that—

11           (A) the Air Force science and technology  
12 community is represented, and the rec-  
13 ommendations of that community are consid-  
14 ered, at all levels of program planning and  
15 budgetary decisionmaking within the Air Force;

16           (B) advocacy for science and technology  
17 development is institutionalized across all levels



1 of Air Force management in a manner that is  
2 not dependent on individuals; and

3 (C) the value of Air Force science and  
4 technology development is made increasingly  
5 apparent to the warfighters, by linking the  
6 needs of those warfighters with decisions on  
7 science and technology development.

8 (2) Complete and adopt a policy directive that  
9 provides for changes in how the Air Force makes  
10 budgetary and nonbudgetary decisions with respect  
11 to its science and technology development programs  
12 and how it carries out those programs.

13 (3) At least once every five years, conduct a re-  
14 view of the long-term challenges and short-term ob-  
15 jectives of the Air Force science and technology pro-  
16 grams that is consistent with the review specified in  
17 section 252 of the Floyd D. Spence National De-  
18 fense Authorization Act for Fiscal Year 2001 (as en-  
19 acted into law by Public Law 106-398; 114 Stat.  
20 1654A-46).

21 (4) Ensure that development and science and  
22 technology planning and investment activities are  
23 carried out for future space warfighting systems and  
24 for future nonspace warfighting systems in an inte-  
25 grated manner.



1 (5) Elevate the position within the Office of the  
2 Secretary of the Air Force that has primary respon-  
3 sibility for budget and policy decisions for science  
4 and technology programs.

5 (b) REINSTATEMENT OF DEVELOPMENT PLAN-  
6 NING.—(1) The Secretary of the Air Force shall reinstate  
7 and implement a revised development planning process  
8 that provides for each of the following:

9 (A) Coordinating the needs of Air Force  
10 warfighters with decisions on science and technology  
11 development.

12 (B) Giving input into the establishment of pri-  
13 orities among science and technology programs.

14 (C) Analyzing Air Force capability options for  
15 the allocation of Air Force resources.

16 (D) Developing concepts for technology,  
17 warfighting systems, and operations with which the  
18 Air Force can achieve its critical future goals.

19 (E) Evaluating concepts for systems and oper-  
20 ations that leverage technology across Air Force or-  
21 ganizational boundaries.

22 (F) Ensuring that a “system-of-systems” ap-  
23 proach is used in carrying out the various Air Force  
24 capability planning exercises.



1 (G) Utilizing existing analysis capabilities with-  
2 in the Air Force product centers in a collaborative  
3 and integrated manner.

4 (2) Not later than one year after the date of the en-  
5 actment of this Act, the Secretary of the Air Force shall  
6 submit to Congress a report on the implementation of the  
7 planning process required by paragraph (1). The report  
8 shall include the annual amount that the Secretary con-  
9 siderers necessary to carry out paragraph (1).

10 **SEC. 253. STUDY AND REPORT ON EFFECTIVENESS OF AIR**  
11 **FORCE SCIENCE AND TECHNOLOGY PRO-**  
12 **GRAM CHANGES.**

13 (a) REQUIREMENT.—The Secretary of the Air Force,  
14 in cooperation with the National Research Council of the  
15 National Academy of Sciences, shall carry out a study to  
16 determine how the changes to the Air Force science and  
17 technology program implemented during the past two  
18 years affect the future capabilities of the Air Force.

19 (b) MATTERS STUDIED.—(1) The study shall inde-  
20 pendently review and assess whether such changes as a  
21 whole are sufficient to ensure the following:

22 (A) That the concerns about the management  
23 of the science and technology program that have  
24 been raised by the Congress, the Defense Science  
25 Board, the Air Force Science Advisory Board, and



1 the Air Force Association have been adequately ad-  
2 dressed.

3 (B) That appropriate and sufficient technology  
4 is available to ensure the military superiority of the  
5 United States and counter future high-risk threats.

6 (C) That the science and technology invest-  
7 ments are balanced to meet the near-, mid-, and  
8 long-term needs of the Air Force.

9 (D) That technologies are made available that  
10 can be used to respond flexibly and quickly to a wide  
11 range of future threats.

12 (E) That the Air Force organizational structure  
13 provides for a sufficiently senior level advocate of  
14 science and technology to ensure an ongoing, effec-  
15 tive presence of the science and technology commu-  
16 nity during the budget and planning process.

17 (2) In addition, the study shall independently assess  
18 the specific changes to the Air Force science and tech-  
19 nology program as follows:

20 (A) Whether the biannual science and tech-  
21 nology summits provide sufficient visibility into, and  
22 understanding and appreciation of, the value of the  
23 science and technology program to the senior level of  
24 Air Force budget and policy decisionmakers.



1 (B) Whether the applied technology councils are  
2 effective in contributing the input of all levels be-  
3 neath the senior leadership into the coordination,  
4 focus, and content of the science and technology pro-  
5 gram.

6 (C) Whether the designation of the commander  
7 of the Air Force Materiel Command as the science  
8 and technology budget advocate is effective to assure  
9 that an adequate budget top line is set.

10 (D) Whether the revised development planning  
11 process is effective to aid in the coordination of the  
12 needs of the Air Force warfighters with decisions on  
13 science and technology investments and the estab-  
14 lishment of priorities among different science and  
15 technology programs.

16 (E) Whether the implementation of section 252  
17 of the Floyd D. Spence National Defense Authoriza-  
18 tion Act for Fiscal Year 2001 (as enacted into law  
19 by Public Law 106-398; 114 Stat. 1654A-46) is ef-  
20 fective to identify the basis for the appropriate  
21 science and technology program top line and invest-  
22 ment portfolio.

23 (c) REPORT.—Not later than 60 days after the date  
24 on which the study required by subsection (a) is com-



1 pleted, the Secretary of the Air Force shall submit to Con-  
2 gress the results of the study.

3 (d) FUNDING.—Of the amount made available pursu-  
4 ant to section 201(3) for research, development, test, and  
5 evaluation for the Air Force, \$950,000 shall be available  
6 only to carry out this section.

